

C.) AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all prior versions, and listings of claims in the Application.

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)
8. (Cancelled)
9. (Cancelled)
10. (Cancelled)
11. (Cancelled)
12. (Cancelled)
13. (Cancelled)
14. (Cancelled)
15. (Cancelled)
16. (Cancelled)
17. (Cancelled)
18. (Cancelled)
19. (Currently Amended) A control circuit including:

at least two input terminals for electrically connecting with a power source;

at least two output terminals for electrically connecting with a load;

a sensor having a sensor relay that is energized in response to [[responsive to]] a reference signal being within a predetermined range, the reference signal being derived from a voltage differential between one or more of the conductors and a reference point that is electrically isolated from the conductors when in use, wherein the sensor [[for providing]] provides a sensor signal in response to the sensor relay being energized; and

a switching device having a switching relay that is responsive to the sensor signal for progressing between a first mode and a second mode wherein: in the first mode the input and output terminals are respectively electrically connected for allowing the load to receive power from the source via the switching relay; and in the second mode, the input and output terminals are electrically disconnected for preventing the source from supplying power to the load via the switching relay.

20. (Previously Presented) A circuit according to claim 19 wherein the sensor relay is a low voltage DC relay.
21. (Previously Presented) A circuit according to claim 20 wherein the switching relay is a mains voltage relay.
22. (Previously Presented) A circuit according to claim 20 wherein the switching relay is a DC voltage relay.
23. (Previously Presented) A circuit according to claim 19 wherein the sensor signal is:
 - an AC signal; or
 - derived from an AC signal.
24. (Currently Amended) A wiring system for carrying a mains supply from a mains source having at least two mains conductors, the system being installed at a site and including:

a transformer located at or near the site and having one or more primary windings for connecting to the mains conductors and one or more secondary windings to ~~[[provides]]~~ provide a site voltage that is substantially equal to the mains supply;

at least two site conductors that are installed at the site for electrically connecting with the one or more secondary windings for distributing the site voltage to predetermined locations about the site; and

a floating conductor that is isolated from the other conductors in normal use, the floating conductor being associated with a load installed at the site for providing a reference voltage with respect to one or more of the site conductors.

25. (Previously Presented) A control circuit including:

at least two input terminals for electrically connecting with a power source;

at least two output terminals for electrically connecting with a load;

a switching relay having a switching coil that is selectively energised to progress the relay between two modes wherein: in one of the modes the input and output terminals are respectively electrically connected for allowing the load to receive power from the source via the switching relay; and in the other mode, the input and output terminals are electrically disconnected for preventing the source from supplying power to the load via the switching relay; and

a sensor relay that is responsive to a predetermined condition for energising the coil of the switching relay.

26. (Previously Presented) A circuit according to claim 25 wherein the sensor relay has a low voltage coil that is energised in response to the fault condition.

27. (Previously Presented) A circuit according to claim 26 wherein the low voltage coil is energised by a DC voltage.
28. (Currently Amended) A circuit according to claim 27 wherein the low voltage coil is energised by a DC voltage of greater than ~~[[about]]~~ 1 Volt.